

REMARKS

The Applicant wishes to thank the Examiner for granting the interview held on September 8, 2003 and September 29, 2003. Reconsideration and allowance of the above-referenced application are respectfully requested.

I. STATUS OF THE CLAIMS

Claim 6 is canceled herein without prejudice or disclaimer.

Claims 1, 2 and 8 are amended herein.

In view of the above, it is respectfully submitted that claims 1-5 and 7-9 are currently pending and under consideration.

II. SPECIFICATION

On page 2 of the Office Action, the Examiner states that the listing of references in the specification is not a proper information disclosure statement. Enclosed herein is an Information Disclosure Statement, which lists U.S. Patent No. 5,619,098 (paragraph 0007 of the Applicant's specification) as a prior art reference.

Also, on page 2 of the Office Action, the Examiner objects to the Applicant's specification and claims 1, 2, and 8 for use of the term "alkali." The specification and claims 1, 2, and 8 are amended herein to overcome the objection.

In view of the above, it is respectfully submitted that the objection is overcome.

III. REJECTION OF CLAIMS 1-7 UNDER 35 U.S.C. § 102(e) AS BEING ANTICIPATED BY GWAK ET AL. (USP# 6,440,329)

On page 2 of the Office Action, claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Gwak et al. (USP# 6,440,329).

The present invention as recited in claim 1 (as amended herein), for example, relates to a low-voltage excited red phosphor in which "a mixture of the matrix and the doping elements is fired and the phosphor has the following formula: $\text{MTiO}_3\text{:R,A,Zn}$, where M is an alkaline earth metal, R is a rare-earth element, and A is a group 13 element."

Gwak discloses an $\text{SiTiO}_3\text{:Pr, Al}$ based phosphor having efficient emission at a low voltage. The $\text{SiTiO}_3\text{:Pr, Al}$ based phosphor has the composition of $(\text{Me}^I\text{Me}^{II}\text{Me}^{III})\text{TiO}_3\text{.A}_2\text{O}_3$.

However, the low voltage red phosphor of Gwak is not the same as the low-voltage excited red phosphor as recited in claim 1 of the present application. More specifically, Gwak fails to disclose a low-voltage excited red phosphor having doping elements which include a rare-earth element, a group 13 element, and Zn, wherein a mixture of the matrix and the doping elements is fired and the phosphor has the following formula: $\text{MTiO}_3\text{:R,A,Zn}$. M is an alkaline earth metal, R is a rare-earth element, and A is a group 13 element. Therefore, Gwak does not disclose the features recited in claim 1 of the present application.

Claims 2-5 and 7 depend from claim 1. Therefore, for at least the reasons that claim 1 distinguishes over the cited prior art, it is respectfully submitted that claims 2-5 and 7 also distinguish over the cited prior art.

In view of the above, it is respectfully submitted that the rejection is overcome.

IV. CONCLUSION

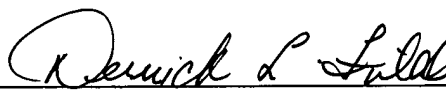
In view of the foregoing amendments and remarks, it is respectfully submitted that each of the claims patentably distinguishes over the prior art, and therefore defines allowable subject matter. A prompt and favorable reconsideration of the rejection along with an indication of allowability of all pending claims are therefore respectfully requested.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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Date: 9-29-03

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